

Photometric test report

Family
Licross® 11 Protected

Order number: 51TP11DN59XG
EAN: 4069025331922

LP number
58526_243



Version prismatic cover, frosted, narrow distribution
Lamps LED 5000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 9100 lm
 Power consumption = 52.7 W
 Luminous efficacy = 172.7 lm/W

serial
documentation
16.01.2025

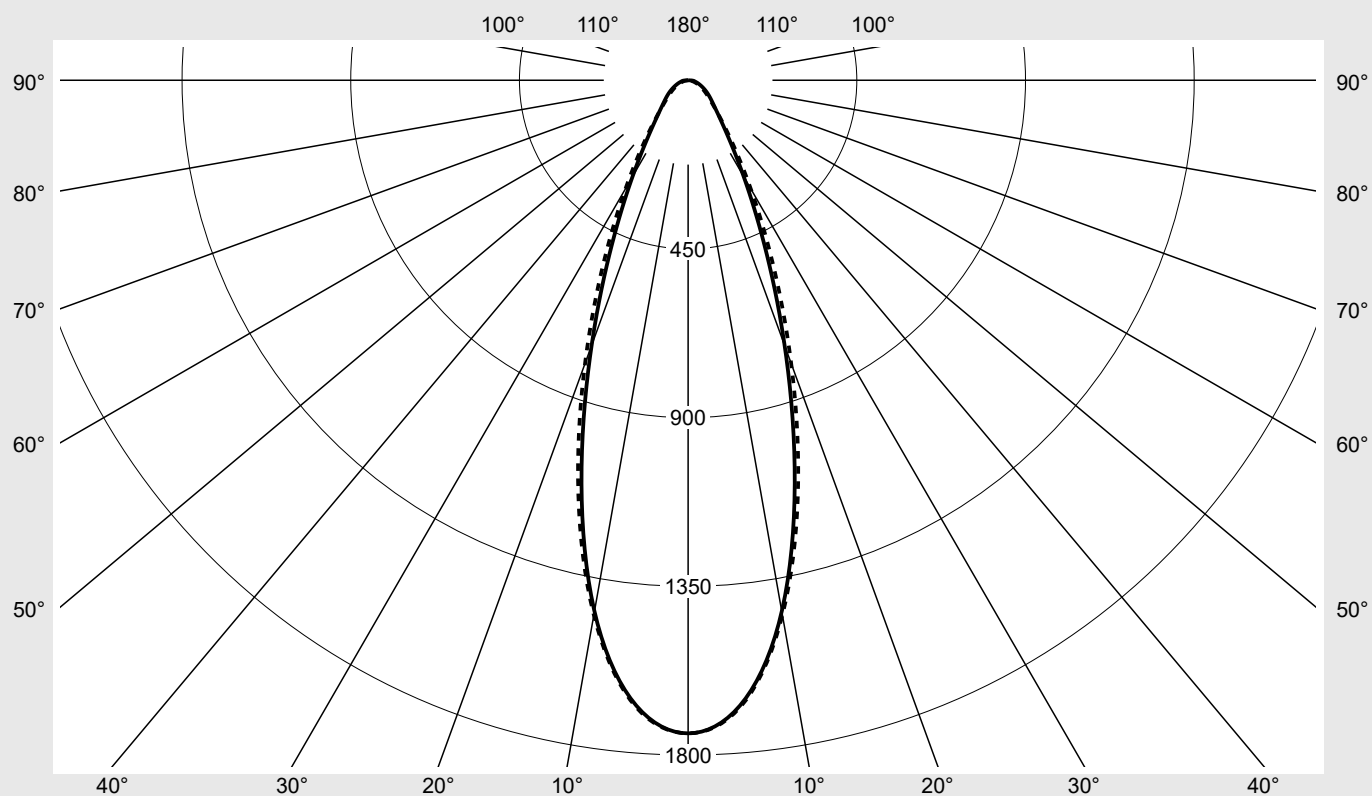
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 1742 cd/klm



Classifications

DIN 5040 A 7 0
 CIE N1=83 N2=94 N3=98
 N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity

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C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	1742.2	1742.2	1742.2	1742.2	1742.2	1742.2	1742.2	10.4	10.4
5°	1666.1	1675.3	1660.6	1665.8	1671.6	1669.6	1670.7	79.7	90.1
10°	1438.7	1454.0	1443.6	1449.9	1452.8	1449.1	1448.5	137.9	228.0
15°	1099.0	1113.1	1114.3	1128.7	1137.3	1134.2	1132.4	159.4	387.5
20°	752.6	761.9	768.4	788.3	803.8	805.8	803.7	147.1	534.5
25°	477.8	482.8	489.1	506.4	523.2	529.8	529.1	117.2	651.7
30°	296.4	297.2	300.0	310.9	324.6	332.2	333.5	85.9	737.6
35°	189.3	187.5	185.3	189.4	198.7	205.9	208.7	61.1	798.7
40°	131.6	127.9	121.5	120.2	125.3	132.4	136.6	44.7	843.4
45°	99.4	94.4	85.5	81.0	83.2	90.3	95.8	34.4	877.7
50°	79.8	74.4	64.7	58.7	59.3	65.8	72.1	27.9	905.7
55°	65.2	60.1	51.3	45.2	44.8	50.3	56.0	23.4	929.0
60°	52.4	48.1	41.3	36.1	35.0	38.9	43.4	19.6	948.6
65°	41.2	37.9	33.1	29.2	27.7	29.8	32.8	16.1	964.7
70°	31.9	29.5	26.2	23.4	21.7	22.1	23.6	12.9	977.6
75°	24.4	22.6	20.2	18.2	16.5	15.4	15.7	10.0	987.6
80°	18.3	17.0	15.2	13.6	11.8	9.9	9.2	7.3	994.9
85°	13.3	12.5	11.1	9.7	7.7	5.4	4.2	5.0	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Table		Standard room								
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		View crosswise (C0)					View endwise (C90)			
x	y									
2H	2H	16.3	17.5	16.6	17.8	18.1	16.1	17.3	16.5	17.7
	3H	17.4	18.5	17.7	18.8	19.2	17.0	18.1	17.4	18.4
	4H	17.9	18.9	18.3	19.3	19.6	17.4	18.4	17.8	18.7
	6H	18.4	19.3	18.8	19.7	20.1	17.7	18.6	18.1	19.0
	8H	18.7	19.5	19.1	19.9	20.3	17.9	18.6	18.3	19.0
	12H	18.9	19.6	19.4	20.0	20.5	17.9	18.6	18.4	19.0
4H	2H	16.5	17.5	16.9	17.9	18.2	16.4	17.4	16.8	17.7
	3H	17.8	18.6	18.2	19.0	19.4	17.4	18.2	17.8	18.6
	4H	18.4	19.2	18.9	19.6	20.0	17.9	18.6	18.3	19.1
	6H	19.1	19.7	19.6	20.2	20.6	18.3	18.9	18.8	19.4
	8H	19.4	20.0	19.9	20.4	20.9	18.5	19.0	18.9	19.5
	12H	19.8	20.2	20.3	20.7	21.2	18.6	19.1	19.1	19.5
8H	4H	18.6	19.2	19.1	19.6	20.1	18.1	18.7	18.6	19.1
	6H	19.4	19.9	19.9	20.3	20.8	18.6	19.1	19.1	19.6
	8H	19.8	20.2	20.3	20.7	21.2	18.9	19.3	19.4	19.8
	12H	20.3	20.6	20.8	21.1	21.7	19.1	19.4	19.6	19.9
12H	4H	18.6	19.1	19.1	19.6	20.1	18.2	18.6	18.7	19.1
	6H	19.5	19.8	20.0	20.3	20.9	18.7	19.1	19.3	19.6
	8H	19.9	20.3	20.4	20.8	21.3	19.0	19.3	19.5	19.8

Luminance table		Max. for $\gamma \geq 65^\circ$				Photometric dimensions in mm:	L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
C- planes	γ	0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
		Luminance in cd/m²							
	45°	9500.6	9065.3	8326.7	8080.5	8566.0	9649.3	10675.8	
	50°	8164.6	7651.8	6771.7	6314.0	6613.9	7679.8	8840.2	
	55°	7234.7	6712.0	5848.6	5316.6	5505.3	6510.3	7701.8	
	60°	6408.7	5935.7	5211.0	4721.4	4816.5	5708.0	6840.1	
	65°	5665.1	5260.6	4719.6	4345.6	4379.7	5095.0	6123.1	
	70°	5047.6	4708.0	4323.6	4069.5	4078.1	4545.4	5432.4	
	75°	4582.6	4299.9	4008.0	3849.5	3836.5	4046.8	4795.8	
	80°	4261.8	4032.2	3790.3	3704.1	3629.2	3607.5	4171.0	
	85°	4131.5	3984.9	3791.5	3738.4	3588.2	3290.6	3764.4	

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Luminance values in cd/m²

γ 65°

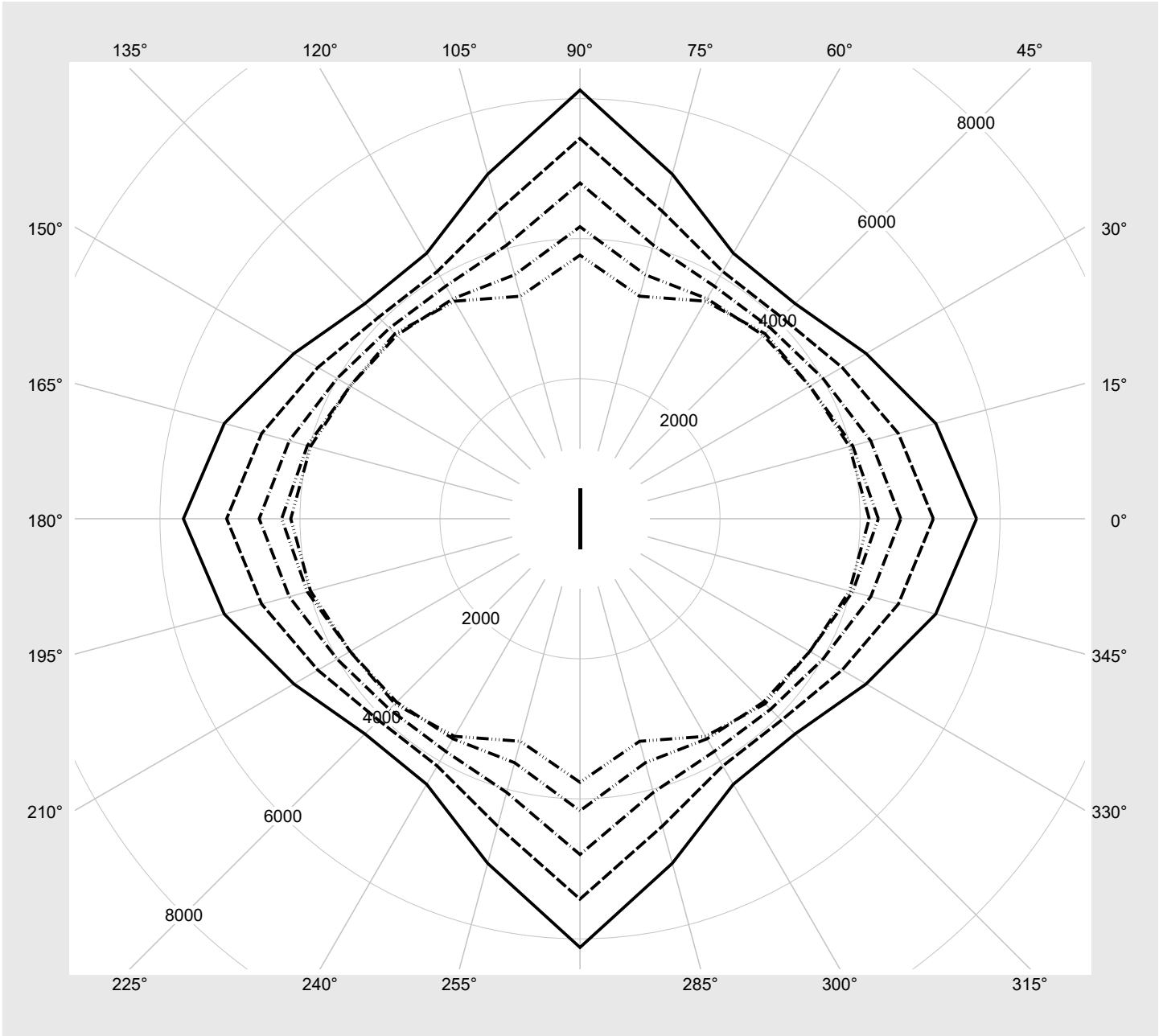
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	9100	52.7
95	240	252	8636	49.7
90	227	250	8198	47.1
85	213	248	7725	44.1
80	200	245	7283	41.4
75	187	243	6835	38.7
70	174	240	6384	36.1
65	161	237	5931	33.4
60	148	234	5475	30.8
55	135	231	5012	28.2
50	122	227	4546	25.6
45	109	223	4079	23.0
40	97	219	3643	20.7
35	84	213	3167	18.1
30	72	208	2722	15.9
25	60	201	2276	13.6
20	48	193	1826	11.1
15	36	182	1373	8.8
10	24	168	915	6.6
5	12	142	454	4.3
2	4	102	146	2.9